



Complete if Known

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Sheet	1	of	5
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Application Number	09/545,589
Filing Date	April 7, 2000
First Named Inventor	Scott A. MOSKOWITZ
Art Unit	2132
Examiner Name	Benjamin E. Lanier
Attorney Docket Number	066603.0123 (80410.0006)

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ^{2 (if known)}			
BL		US- 4,038,596	07-26-1977	Lee	
BL		US- 4,200,770	04-29-1980	Hellman, et al.	
BL		US- 4,218,582	08-19-1980	Hellman, et al.	
BL		US- 4,405,829	09-20-1983	Rivest, et al.	
BL		US- 4,424,414	01-03-1984	Hellman, et al.	
BL		US- 4,748,668	05-31-1988	Shamir, et al.	
BL		US- 4,789,928	12-06-1988	Fujisaki	
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BL		US- 4,979,210	12-18-1990	Nagata, et al.	
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BL		US- 5,243,515	09-07-1993	Lee	
BL		US- 5,287,407	02-15-1994	Holmes	
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BL		US- 5,412,718	05-02-1995	Narasimhalu, et al.	

FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

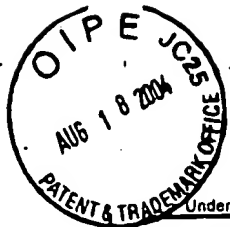
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 5

Complete if Known

Application Number	09/545,589
Filing Date	April 7, 2000
First Named Inventor	Scott A. MOSKOWITZ
Art Unit	2132
Examiner Name	Benjamin E. Lanier
Attorney Docket Number	066603.0123 (80410.0006)

U. S. PATENT DOCUMENTS					
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		Number-Kind Code ² (if known)			
B		US- 5,428,606	06-27-1995	Moskowitz	
B		US- 5,487,168	01-23-1996	Geiner, et al.	
B		US- 5,493,677	02-20-1996	Balogh, et al.	
B		US- 5,530,759	06-25-1996	Braudaway, et al.	
B		US- 5,568,570	10-22-1996	Rabbani	
B		US- 5,606,609	02-25-1997	Houser, et al.	
B		US- 5,613,004	03-18-1997	Cooperman, et al.	
B		US- 5,617,119	04-01-1997	Briggs, et al.	
B		US- 5,636,292	06-03-1997	Rhoads	
B		US- 5,640,569	06-17-1997	Miller, et al.	
B		US- 5,659,726	08-19-1997	Sandford, II, et al.	
B		US- 5,664,018	09-02-1997	Leighton	
B		US- 5,687,236	11-11-1997	Moskowitz, et al.	
B		US- 5,734,752	03-31-1998	Knox	
B		US- 5,745,569	04-28-1998	Moskowitz, et al.	
		US-			
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

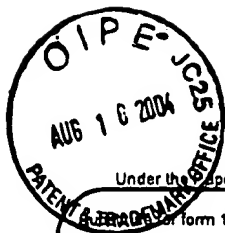
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		Filing Date	April 7, 2000		
		First Named Inventor	Scott A. MOSKOWITZ		
		Art Unit	2132		
		Examiner Name	Benjamin E. Lanier		
Sheet	3	of	5	Attorney Docket Number	066603.0123 (80410.0006)

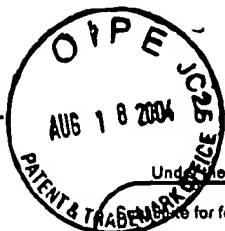
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BE		SMITH, et al., "Modulation and Information Hiding in Images," Springer Verlag, First International Workshop, Cambridge, U.K., 30 May to 1 June, 1996, pp. 207-227.	
BE		KUTTER, et al., "Digital Signature of Color Images Using Amplitude Modulation," SPIE-EI97, Vol. 3022, pp. 518-527.	
BE		PUATE, et al., "Using Fractal Compression Scheme to Embed a Digital Signature into an Image," SPIE-96 Proceedings, vol. 2915, March 1997, pp. 108-118.	
BE		BONEY, et al., "Digital Watermarks for Audio Signals," 1996 IEEE Int. Conf. on Multimedia Computing and Systems, June 17-23, Hiroshima, Japan, pp. 473-480.	
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BE		SWANSON, et al., "Transparent Robust Image Watermarking," Proc. of the 1996 IEEE Int. Conf. on Image Processing, Vol. III, 1996, pp. 211-214.	
BE		SWANSON, et al., "Robust Data Hiding for Images," 7th IEEE Digital Signal Processing Workshop, Sept. 1-4, 1996, Loen, Norway, pp. 37-40.	
BE		COX, et al., "Secure Spread Spectrum Watermarkings for Multimedia," NEC Research Institute, Technical Report 95-10, 1995, 33 pages.	
BE		ZHAO, et al., "Embedding Robust Labels into Images for Copyright Protection," Proceedings of the KnowRight'95 Conference, pp. 242-251.	
BE		KOCK, et al., "Towards Robust and Hidden Image Copyright Labeling," 1995 IEEE Workshop on Nonlinear Signal and Image Processing, Neos Marmaras, June 1995, 4 pages.	

Examiner Signature	<i>B. E. Lanier</i>	Date Considered	2/17/05
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		Examiner Name	Benjamin E. Lanier
Sheet 4	of 5	Attorney Docket Number	066603.0123 (80410.0006)

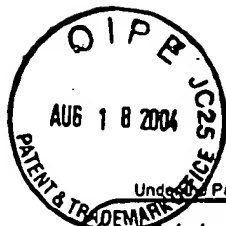
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BB		LANGELAAR, et al., "Copy Protection for Multimedia Data based on Labeling Techniques," Dept. of Electrical Engineering, Information Theory Group, Delft Univ. of Tech., Delft, The Netherlands, July 1996, 9 pages.	
BB		VAN SCHYNDEL, et al., "A Digital Watermark," IEEE International Computer Processing Conference, Austin, TX, Nov. 13-16, 1994, pp. 86-90.	
BB		VAN SCHYNDEL, et al., "Towards A Robust Digital Watermark," Second Asian Image Processing Conference, Singapore, Dec. 6-8, 1995, Vol. 2, pp. 504-508.	
BB		TIRKEL, et al., "A Two-Dimensional Digital Watermark," DICTA'95, University of Queensland, Brisbane, Dec. 5-8, 1995, 7 pages.	
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BB		HARTUNG, et al., "Digital Watermarking of Raw and Compressed Video," SPIE Vol. 2952, EOS Series, Symposium on Advanced Imaging and Network Technologies, Berlin, Germany, Oct. 1996, pp. 205-213.	
BB		PRESS, et al., "Numerical Recipes in C," Cambridge University Press, 1988, 12. Fourier Transform Spectral Methods, pp. 398-470.	
BB		POHLMANN, Ken C., "Principles of Digital Audio," Third Edition, 1995, pp. 32-37, 40-48, 138, 147-149, 332, 333, 364, 499-501, 508-509, 564-571.	
BB		POHLMANN, Ken C., "Principles of Digital Audio," Second Edition, 1991, pp. 1-9, 19-25, 30-33, 41-48, 54-57, 86-107, 375-387.	

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Attorney Docket Number	066603.0123 (80410.0006)

Sheet	5	of	5
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BE		SCHNEIER, B., "Applied Cryptography," John Wiley & Sons, Inc., New York, 1994, particularly the following sections: 4.1 Subliminal Channel, pp. 66-68, 16.6 Subliminal Channel, pp 387-392, Ch. 1 pp 1-16, Ch. 2 pp 17-41, Ch. 3 pp 42-57, Ch. 12.1 pp 273-275, Ch 14.1 pp 321-324.	
BE		KAHN, D., "The Code Breakers," The Macmillan Company, 1969, particularly the following sections on steganography pp. xiii, 81-83, 513, 515, 522-526, 873.	
BE		BREALEY, et al., "Principles of Corporate Finance, Appendix A – Using Option-Valuation Models," 1984, pp. 448-449.	
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BE		SARKAR, M. "An Assessment of Pricing Mechanisms for the Internet – A Regulatory Imperative," presented at MIT Workshop on Internet Economics, March 1995. http://www.press.umich.edu/jep/works/SarkAssess.html on March 12, 2001.	
BE		CRAWFORD, D.W., "Pricing Network Usage: A Market for Bandwidth or Market Communication?" presented at MIT Workshop on Internet Economics, March 1995. http://www.press.umich.edu/jep/works/CrawMarket.html on March 12, 2001.	
BE		LOW, S.H., "Equilibrium Allocation and Pricing of Variable Resources Among User-Suppliers (1988). http://citeseer.nj.nec.com/366503.html .	

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